A U 1623

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2. 2/34/2 (Item 1 from file: 351)

[illegible]
WPI Acc No: 1999-181281/199916

Determination of lipid oxidisability - by fluorescent assay using a diphenylhexatriene marker initiated with copper@ ions

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Inventor: HERMETTER A; HUBER G; LICHTENBERG D
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
AT 9401875	A	19990215	AT 941875	A	19941004	199916	B
AT 405693	B	19990815	AT 941875	A	19941004	199937	

Priority Applications (No Type Date): AT 941875 A 19941004
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
AT 9401875 A [illegible]
AT 405693 B [illegible] Previous Publ. patent AT 9401875
Abstract (Basic): AT 9401875 A

Method for determining the oxidisability of lipid complexes incorporating diphenylhexatriene (DPH) or lipid conjugates containing covalently bound DPH into lipoproteins, initiating oxidation of the markers with Cu2+ or other oxidation initiators, and measuring the decrease in fluorescence intensity over time.

USE - To diagnose or determine predisposition to atherosclerosis and coronary heart disease; to diagnose or determine predisposition for sickle-cell anaemia, cancer or Alzheimer's disease; and to determine the [illegible] stability of foods.

ADVANTAGE - The method gives results that are in accord with the results of non-fluorescent assays; is very sensitive; can be applied to complex biological systems, e.g. serum, cells or tissue; can distinguish between different lipids with regard to oxidisability and onset of oxidation; and can be used for routine analysis of multiple samples using a plate reader.

Dwg.0/2

Derwent Class: B04; [illegible]
International Patent Class (Main): [illegible]

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1. [illegible] Item 1 from file: 345

14953639
Basic Patent (No,Kind,Date): AT 9401875 A 19980215

PATENT FAMILY:
AUSTRIA (AT)
Patent (No,Kind,Date): AT [illegible] A [illegible]
METHODE ZUR BESTIMMUNG DER OXIDIERBARKEIT VON LIPIDEN [illegible] German
Patent Assignee: HERMETTER ALBIN [illegible] (AT); [illegible] GERALD [illegible] (AT);
LICHTENBERG DOV PR (IL)
Author (Inventor): HERMETTER ALBIN [illegible] (AT); [illegible] GERALD [illegible] (AT);
LICHTENBERG DOV PR (IL)
Priority (No,Kind,Date): AT 941875 A 1994[illegible]
Applic (No,Kind,Date): AT 941875 A 1994[illegible]
IPC: * G01N-033/92
CA Abstract No: ; 132(12)148749R
Derwent WPI Acc No: ; [illegible]-151241
Language of Document: German
Patent (No,Kind,Date): AT [illegible] B [illegible]
METHODE ZUR BESTIMMUNG DER OXIDIERBARKEIT VON LIPIDEN; [illegible]
Determining the ability of lipids to [illegible] oxidise [illegible] German
Patent Assignee: HERMETTER ALBIN [illegible] (AT); [illegible] GERALD [illegible] (AT);
LICHTENBERG DOV PR (IL)
Author (Inventor): HERMETTER ALBIN [illegible] (AT); [illegible] GERALD [illegible] (AT);
LICHTENBERG DOV PR (IL)
Priority (No,Kind,Date): AT [illegible] A [illegible]
Applic (No,Kind,Date): AT [illegible] A [illegible]
IPC: * [illegible]
CA Abstract No: ; [illegible]
Derwent WPI Acc No: ; [illegible]
Language of Document: German
